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NOTICE OF ALLOWANCE AND FEE(S) DUE

47390

7590

08/03/2009

THOMAS, KAYDEN, HORSTEMEYER & RISLEY LLP 600 GALLERIA PARKWAY, 15TH FLOOR ATLANTA, GA 30339

EXAMINER

IADDETT SCOTTI PAPER NUMBER

ARTHNIT 3624

DATE MAILED: 08/03/2009

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/646.179 08/22/2003 Jen-Lin Chao 252011-1270 9085

TITLE OF INVENTION: DEMAND DISPATCH SYSTEM AND METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/03/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used f correspondence includir d below or directed oth ions.	or tran g the l erwise	smitting the ISSU Patent, advance or in Block 1, by (a	TE FEE and PUBLIC ders and notification i) specifying a new of					nould be completed where correspondence address as rate "FEE ADDRESS" for
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Please check the appropri	ate assignee category or	catego	ries (will not be pr	inted on the patent):		Individual 🗆 Co	orporat	ion or other private gro	up entity Government
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10/646,179	0/646,179 08/22/2003 Jen-Lin Chao		252011-1270	9085	
47390 75	90 08/03/2009	EXAMINER			
THOMAS, KAY	DEN, HORSTEMEY	JARRETT, SCOTT L			
	ARKWAY, 15TH FLO	ART UNIT	PAPER NUMBER		
ATLANTA, GA 3	0339	3624			

DATE MAILED: 08/03/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1146 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1146 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/646,179 CHAO ET AL. Notice of Allowability Examiner Art Unit 3624 SCOTT L. JARRETT -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 5/20/2009. The allowed claim(s) is/are 1-5,11-15,21-25 and 31-33. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material Other . /Scott L Jarrett/

Primary Examiner, Art Unit 3624

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ALLOWANCE

The following is an Allowance in response to Applicant's amendments filed May 20, 2009. Applicant's amendment amended claims 1-5, 11-15 and 21-25 and added new claims 31-33. Claims 6-10 and 16-20 being previously canceled. Currently claims 1-5, 11-15, 21-25 and 31-33 are pending and allowed below.

Response to Amendment

The 35 U.S.C. 112(2) rejection of claims 3, 13, 23 and 5, 15 and 25 are withdrawn in response to Applicant's amendments to the claims.

The 35 U.S.C. 101 rejection of claims 1-5, 11-15 and 21-25 are withdrawn in response to Applicant's amendments to the claims.

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance.

The closest prior art Leachman et al, IMPReSS, Cargill et al., USPN 2003/0050817, Shipman USPN 5,819,232, fail to teach or suggest either singularly or in combination a system/method for managing the capacity of a production line comprising: providing a risk database recording risk information for a first demand, wherein the risk information comprises a first percentage of a low risk part of the first demand and a second percentage of a high risk part of the first demand, a first order rate for the row risk part, and a second order rate for the high risk part, wherein the high risk part is considered as an overestimated part of the first demand, and the first order rate and the second order rate are the possibility of the low risk part and the high risk part to become actual order, respectively;

dividing the first demand into a low risk demand and a high risk demand according to the first percentage of the low risk part and the second percentage of the high risk part, wherein the low risk demand is obtained by multiplying the first demand by the first percentage, and the high risk demand is obtained by multiplying the first demand by the second percentage; determining an expected quantity of the first fabrication; and managing the capacity of the first fabrication by dispatching portions of the low risk demand and the high risk demand to the first fabrication according to the expected quantity, and the first order rate and the second order rate, thus to allocate the capacity of the first fabrication accordingly, wherein a first quantity of the low risk

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demand and a second quantity of the high risk demand are dispatched to the first fabrication, the first quantity is less than the amount of the low risk demand, and the second quantity is less than the amount of the high risk demand, and the amount of the first quantity multiplied by the first order rate and the second quantity multiplied by the second order rate is equal to or greater than the expected quantity as recited in independent Claims 1, 11 21 and 31-33.

Applicant's arguments, see Last Two Paragraphs, page 18, filed May 20, 2009, with respect to Leachman, Cargill, and Shipman have been fully considered and are persuasive.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Tsao et al., U.S. Patent No. 7,085,730, teach a product planning system and method.
- Takao et al., U.S. Patent No. 7,298,507, teach a production management system and method that accounts for sales (demand) risk.
- Pericle, U.S. Patent No. 7,379,922, teach a system and method for analyzing the risk ration of customer sales (demand).
- Blanchard et al., U.S. Patent No. 7,487,107, teach a system and method for determining ranges of purchase amounts (demand) based on the probability (risk) of a purchase in future time cycles/periods.
- Yoneda, U.S. Patent Publication No. 2001/0037282, teach a system and method for production capacity planning in a semiconductor fabrication plant.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SCOTT L. JARRETT whose telephone number is (571)272-7033. The examiner can normally be reached on Monday-Friday, 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bradley Bayat can be reached on (571) 272-6704. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Scott L Jarrett/ Primary Examiner, Art Unit 3624